

MAJOR DUTIES

Serves as operator of a gasoline-powered twin-screw high speed cabin cruiser approximately 60' to 65' in length and powered by two motors of approximately 630 horsepower each. Vessels of this type transport high-ranking officials on regular and special inspection tours on waterways throughout the district. Furnishes meals and living quarters for the general welfare and comfort of passengers. Directs the work of assigned crew members.

1. Lays out course to assigned destination. Pilots the survey boat and controls operation of engines by means of pilothouse controls. During inspection tours, skillfully controls the travel of the boat and steers accurately visually or by compass, with due allowances for wind, tide, and cross currents, and maintains constant alertness for floating obstacles that would damage the boat and equipment during operations.
2. Transports high ranking officers, civilian engineers, and official delegations, including members of Congress and influential personages, on regular and special inspection tours of waterways throughout the district. Provides for the general welfare and comfort of passengers, including the furnishing of meals and living quarters. Keeps boat and living quarters in clean and orderly condition.
3. Plans and directs the day-to-day operation of the vessel and directs the activities of assigned crew members. Prepares detailed daily and monthly reports of operations. Requisitions fuel and other supplies and equipment. Where subordinate operators and/or deckhands are assigned to the vessel, trains new employees; conducts fire, lifeboat, and man-overboard drills.
4. Maintains boat and engines in operating condition. Trouble-shoots and takes corrective action by making minor operating repairs. Keeps boat in clean and orderly condition. May assist in the making of overhaul and major repairs to hull and engines. Cares for property, including required fire protection, safety, and first aid equipment necessary for maintenance and operation of the boat.

Performs other duties as assigned.

SKILLS AND KNOWLEDGES

--Must be able to follow oral and written instructions. Ability to read and interpret charts, and to plan and plot courses to and from work locations and during surveying operations.

--Must have knowledge of basic rules of the road. Must have sufficient skill in boat handling to be able to operate the vessel safely under diverse weather, channel, traffic, and maneuvering conditions. Skill in the operation of engine, steering controls, and electrical equipment as well as the use of auxiliary equipment such as generators, pumps, winches, and other related items. Must be able to perform most routine operator-type maintenance and repairs.

--Ability to lay out courses to assigned destinations, avoiding shoals and other hazards and using navigational

aids, landmarks, speed of boat, etc. Ability to interpret charts of local area to determine shallow channels, shore conformation, buoys, beacons, and landmark and plot positions of own and intruder vessels. Ability to load and maneuver cabin cruiser independently in situations of storm, reduced visibility, icing, and commercial and small craft traffic. Ability to explain and enforce safety regulations among passengers. Skill in the use of safety equipment such as life jackets, fire extinguishers and emergency signals.

--Must have basic knowledge of navigation and a thorough knowledge of seamanship and equipment as evidence by possession of U.S. Coast Guard boat operator's license appropriate to the size and use of the assigned vessel. Must be able to obtain a district boat operator's permit.

--Must have personnel management and supervisory skills.

RESPONSIBILITY

Incumbent works under the general supervision of the chief of the work unit, who provides verbal outlines and instructions covering the scheduling and logistics of the trip. Incumbent is directly responsible for the operation and safety of the vessel. Assesses weather and marine conditions and adapts operations accordingly, and assures that rules of the road and other required maritime practices are followed. Work is reviewed and evaluated in terms of incumbent's effectiveness in the accomplishment of assignments, the maintenance and upkeep of the vessel, safety, the performance of administrative responsibilities and the direction of subordinates.

PHYSICAL EFFORT

Light physical effort is required while standing watch and operating the wheel and other controls. Somewhat greater effort is required in accomplishing housekeeping and general maintenance work. Occasional heavy effort is required in making and breaking tows, loading supplies and equipment, and accomplishing some repair work. Close hand and eye coordination is required when operating controls to maneuver vessel and tows in traffic and in confined areas. Extensive standing and walking may be necessary while standing watch.

WORKING CONDITIONS

Incumbent works predominately in an enclosed wheelhouse, but is also subject to working out on deck for brief periods in all types of weather conditions. Employee is exposed to injury from falls due to slippery decks and erratic movements of the vessel, and to the possibility of falling overboard. A life jacket is worn at all times when on deck. Operators are also exposed to a moderate degree of noise and vibration from the engines, and to greater noise levels and to soil from grease and other chemical substances when servicing or making minor mechanical repairs to engines and equipment.

**SMALL CRAFT OPERATOR
XH-5786-07
EVALUATION STATEMENT**

1. REFERENCES:

- a. OPM, PCS, Small Craft Operator Series, WG-5786, September 1986.
- b. U.S. Army Corps of Engineers, Ladder Diagram, 1953

2. SERIES DETERMINATION:

Subject position operates a high-speed cabin cruiser for the primary purpose of transporting high-ranking officials on regular and special inspection tours on waterways throughout the district . Work requires the ability to steer and navigate vessels generally under 180 feet in length, operate the engines, and make operating repairs to the engines and the vessel itself. This work is covered by the Small Craft Operator, WG-5786, series. Position is titled Small Craft Operator.

3. GRADE DETERMINATION:

The grading of operators of survey boats is based upon several factors; e.g., size of the vessel, location of vessel operations, operating conditions, etc. In the Corps of Engineers, survey boats range in size from approximately 16 feet to over 65 feet. Survey boats that perform hydrographic and reconnaissance surveys of rivers, harbors, and waterways and transport material and supplies to and from floating plant are evaluated by the Department of the Army Manual of Evaluation Standards (DAMES). Survey boats that also serve as tenders towing other floating plant or are high speed cabin cruisers transporting high-ranking personnel on inspection tours and provide meals and living quarters are evaluated by the Ladder Diagram. Therefore, subject position is evaluated by the Ladder Diagram.

The XH-5786-07 level is the lowest level for an operator in charge of a floating plant vessel. It exceeds the XH-06 benchmark for the Mate, Tug, Class II, which is subordinate to the operator in charge of the vessel. It does not meet the Master, Tug, Class II, XH-5784-08 level, as the survey boat operator is under the general supervision of the on-board survey party chief who provides instructions as to the locations at which the work is to be performed. In contrast, the Tug Master receives administrative supervision from a supervisor who is not on board the vessel.